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Publications

Review articles:

1. **Rashid A.**, Sanogo S., Lehnhoff EA, Beck L., Schutte BJ. (2025). Soil pH is an underappreciated influence on germination- and microbial-based methods for reducing weed seedbanks in croplands. *Weed Res.* 2025; 65:e70002.; 1 of 5.
<https://doi.org/10.1111/wre.70002>
2. **Rashid A.**, Schutte BJ., Ulery A., Deyholos MK., Sanogo S., Lehnhoff EA., Beck L. (2023). Heavy Metal Contamination in Agricultural Soil: Environmental Pollutants Affecting Crop Health. *Agronomy* 2023, 13, 1521.
<https://doi.org/10.3390/agronomy13061521>
3. **Rashid, A.** (2016). Defense responses of plant cell wall non-catalytic proteins against pathogens. *Physiol. Mol. Plant Pathol.* 94, 38-46.
<http://dx.doi.org/10.1016/j.pmpp.2016.03.009>

Book chapter:

4. Lehnhoff EA., Schutte BJ., **Rashid A.**, Sanogo S. (2024). *Descurainia sophia* (flixweed): a weed with many uses and ecological roles. Chapter 12. *In. Agroecology of Edible Weeds and Noncrop Plants. Ecology and Socioeconomic Potential of the Associated Plant Biodiversity.* Edited by Ebel R. & Menalled F. Acad. Press, Elsevier; Cambridge, MA, USA. ISBN: 978-0-443-16076-9. <https://www.elsevier.com/books-and-journals>

Book publication:

5. **Rashid A.**, (2012) Development of transgenic plants through application of reverse genetics. pp 232; ISBN-13: 978-3-8465-4625-3; LAP LAMBERT Academic Publishing GmbH & Co. KG; Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Germany.
<https://my.lap-publishing.com/catalog/details/store/tr/book/978-3-8465-4625-3/developing-transgenic-plants>

AGRI-FACTS publication:

6. **Rashid A.**, Sharma P., Evans I. (2001). Plant bioassay techniques for detecting and identifying herbicide residues in soil. *Agri-Facts: Practical information for Alberta's Agriculture Industry.* Agdex # 609-1, Edmonton, Alberta, Canada.
<https://ucanr.edu/blogs/UCDWeedScience/blogfiles/8850.pdf>

Journal publications:

7. Schutte BJ., **Rashid A.**, Marquez I., Lehnhoff EA., Beck L., (2021). Seaside petunia (*Calibrachoa parviflora*) susceptibility to herbicides used in dry bulb onion. *Hort. Technol.* 31:679-687. <https://doi.org/10.21273/HORTTECH04898-21>
8. Schutte, BJ., **Rashid A.**, (2020). Colorimetric assay for detecting mechanical damage to weed seeds. *Weed Technol.* 34: 454-460. <https://doi.org/10.1017/wet.2019.125>

9. Gines, M., Baldwin, T., **Rashid** A., Bregitzer, P., Maughan, P.J., Jellen, EN., Esvelt Klos, K. (2018). Selection of expression reference genes with demonstrated stability in barley among a diverse set of tissues and cultivars. *Crop Sci.* 58,332–341. <https://doi.org/10.2135/cropsci2017.07.0443>
10. **Rashid** A., Baldwin T., Gines M., Bregitzer P., Esvelt Klos K. (2017). A high-throughput RNA extraction for sprouted single-seed barley (*Hordeum vulgare* L.) rich in polysaccharides. *Plants*, 6, 1-6. <https://doi.org/10.3390/plants6010001>
11. **Rashid** A. (2017). Comparison of a kanamycin versus hygromycin resistance gene in transgenic plant selection of *Arabidopsis thaliana* L. *Adv. Cell Sci. Tissue Cult.* 1, 1-3 DOI:10.35841/cell-science.1.1.1-2
12. **Rashid** A., Deyholos MK (2015). Phylogenetic relationship and in silico expression profile of PELPK1 of *Arabidopsis thaliana* (L.) Heynh. *Intern'l. J. Biosci.* 6, 93-99. <http://dx.doi.org/10.12692/ijb/6.2.93-99>
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14. **Rashid** A., Hobson, N., Deyholos, MK. (2013). A genomic region upstream of *Arabidopsis thaliana* PELPK1 promotes transcription in aleurone tissues and in response to *Pseudomonas syringae* or *Pythium irregulare*. *Plant Mol. Biol. Rep.* 31, 1025-1030. <https://doi.org/10.1007/s11105-012-0553-0>
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16. **Rashid** A., Hwang S-F., Ahmed HU., Gossen BD. (2013). Effects of soil-borne *Rhizoctonia solani* on canola seedlings after application of glyphosate herbicide. *Canadian J. Plant Sci.* 93, 97-107. <https://cdnsiencepub.com/doi/10.4141/cjps2012-109>
17. **Rashid**, A., Ahmed HU., Xiao Q., Hwang S-F., Strelkov SE. (2013). Effects of root exudates and pH on *Plasmodiophora brassicae* (Woronin) resting spore germination and infection of canola (*Brassica napus* L.) root-hairs. *Crop Protection* 48, 16-23. <https://doi.org/10.1016/j.cropro.2012.11.025>
18. Hwang S-F., Ahmed HU., Zhou Q., **Rashid** A., Strelkov S., Gossen B., Peng G., Turnbull G. (2013). Effect of susceptible and resistant canola plants on *Plasmodiophora brassicae* resting spore populations in the soil. *Plant Pathol.* 62, 404-412. <https://doi.org/10.1111/j.1365-3059.2012.02636.x>
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20. **Rashid** A., Furness N., Ellis BE., Upadhyaya MK. (2005). Inhibition of seed germination and seedling growth by hound's-tongue (*Cynoglossum officinale*) seed leachate. *Weed Biol. & Mgmt.* 5, 143-149. DOI: [10.1111/j.1445-6664.2005.00169.x](https://doi.org/10.1111/j.1445-6664.2005.00169.x)
21. **Rashid** A., Newman JC., O'Donovan JT., Robinson D., Maurice D., Poisson D., Hall LM. (2003). Spiny annual sowthistle (*Sonchus asper*) resistance to acetolactate synthase (ALS) inhibiting herbicides in Alberta. *Weed Res.*, 43, 214-220. <https://doi.org/10.1046/j.1365-3180.2003.00336.x>
22. Shah, S., **Rashid**, A., Burd, G., Dixon, D. and B. Glick. (2002). Phyto-remediation of Arsenate contaminated soil by transgenic canola and plant growth promoting bacterium, *Enterobacter cloacae* CAL2. *Plant Physiol. Biochem.* 40, 355-361. DOI: [10.1016/S0981-9428\(02\)01375-X](https://doi.org/10.1016/S0981-9428(02)01375-X)
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 27. Eastman PAK., **Rashid A.**, Camm EL. (1997). Changes of the photosystem II activity and thylakoid proteins in spruce seedlings during water stress. *Photosyn.* 34, 201-210.
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Client reports:

- Rashid, A.**, Davies, M., Barrett, M., Palli, R. (2013). "Keeping the Genie in the Bottle": placing transgenic agronomic traits under the control of 'gene switch technology' to facilitate phenotype containment. KTRDC Annual Report, Univ. of Kentucky, Lexington, Kentucky, USA.
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- Rashid, A.** (1996-2001). Herbicide damage diagnostic, and herbicide residue and resistance detection services. >100 reports provided to Producers, and Alberta Environmental Protection, Edmonton, Alberta, Canada.
- Rashid, A.** (2000). Development of a bioassay for Pursuit® (imazethapyr) residues in soil, and investigation of Pursuit® carryover injury to sensitive rotational crops. Report to Westco Fertilizers Ltd., Canada.
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Abstracts and presentations:

Rashid, A. (2017). A concept of containing herbicide-tolerant traits in crop plants by using a genetic switch. Seminar presentation at the Dept. of Entomology, Plant Pathology, and Weed Science, New Mexico State University, Las Cruces, NM; November 29, 2017.

Rashid, A. et al., (2017). Genetic improvement of barley through chemical mutagenesis and crossbreeding techniques. Presented at the USDA-ARS PWA, Aberdeen, Idaho; June 13th, 2017.

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Deyholos, M.K., **Rashid, A.** et al. (2013). The intrinsically disordered Pan-Proteome, and characterization of growth promoting IDPs. Abstract #78, ASPB meeting (Western Section) April 12-13, 2013; University of California, Davis.

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Rashid, A., et al. (1997). Wild oat resistance to triallate and cross-resistance to difenzoquat. Presented at the 5th Annual Pseudo-Herbicide Resistant Weeds Workshop, Montana State University, Bozeman, Montana.

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